

JAN 22 1993



Professional Service Industries, Inc.
Willis Engineering Division

January 19, 1993

State of Vermont
Agency of Natural Resources
Hazardous Materials Management Division
103 South Main Street / West Building
Waterbury, Vermont 05671-0404

Attn: Mr. Richard F. Spiese, Site Coordinator

Re: C & S Wholesale Grocers, SMS site #92-1258
PSI report #093-24012-1

Dear Mr. DeWolfe,

In accordance with the Preliminary Work Plan for the remediation of contamination at the above-referenced facility, the following is a report of field screening activities and the potential receptors of contamination which have been identified at this time.

Field Screening

Field screening of soils was performed at the Contaminated Soils Stockpile Site at the Bazin Brother's Pit in Westminster, Vermont on December 3, 1992. The purpose of this field screening was to obtain results from which to base the development of a treatment and disposal program.

Field screening of soils was accomplished by the use of a photoionization detector HNU Systems, Inc. Model #PI 101 with a 10.2 eV bulb. This unit was field calibrated prior to use with the HNU Systems, Inc. span gas unit Model #101-350.

Field screening was performed utilizing the jar headspace method. The attached sketch identifies the locations of the samples in the stockpile relative to the two survey grade stakes shown on the topographic plan of the site (see the enclosed photographs). This stockpile is approximately 180 feet long and 130 feet wide with a depth ranging from 1 foot to 6 feet.

Background ambient air sampling was performed at all sites to provide baseline conditions (results were below detectable limits for all ambient air sampling). No background soil sampling was performed upslope of the soil stockpile at Bazin's pit.

The following table is a presentation of this data. Please refer to the above-referenced sketch for the relative sample locations.

| Sample # | Sample Depth | Reading (in ppm) |
|----------|--------------|------------------|
| 1 | 10" | 17 |
| 2 | 8" | 32 |
| 3 | 8" | 26 |
| 4 | 12" | 22 |
| 5 | 12" | 72 |
| 6 | 12" | 200 |
| 7 | 10" | 10 |
| 8 | 6" | 62 |

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Mr. Richard F. Spiese
January 19, 1993
PSI report #093-24012-1
page two of three

As we have discussed by telephone, the results presented above are significantly higher than the 10 ppm threshold limit for fuel oil and 20 ppm threshold limit for gasoline used by the Vermont Agency of Natural Resources. The results warrant additional remediation effort. Effective options of plowing and/or tilling to aerate the top 12" layer of soils will be further evaluated and discussed with you. Further field screening and sampling at different depths will follow to monitor the effectiveness of this remediation effort.

Potential Receptors

Potential receptors have been identified within a one quarter mile radius of both of the C & S Wholesale Grocers remediation sites as well as the contaminated soils stockpile site at Bazin's pit. Details of potable water supplies which are potential receptors at both sites are provided in the attached list and sketches. Stormwater drainage at the Bazin pit site is shown on the same sketch; sanitary sewer or storm drainage utilities do not exist in this area. Details of sanitary sewer and storm drainage utilities which are potential receptors at the C & S sites are provided on two separate sketches.

Potential receptor information was compiled in Westminster from existing data in the State of Vermont Water Supply Division data base and recent investigation. Potential receptor information was compiled in Brattleboro from existing data in the Water Supply Division data base and plans prepared by Mr. Richard S. DeWolfe, P.E.

Field screening was also performed on January 6, 1993 at the Brattleboro facility. Those potential utility receptors which were accessible during our site visit were screened with the HNU meter. These results indicated no detectable vapors present in the sanitary sewer manholes or storm sewer catchbasins (see the attached location plan).

It was reported by Mr. Dennis Mead of C & S that none of the buildings used by C & S at the facility have a basement. Due to the fact that field screening of utility structures on-site resulted in no detectable vapors, further screening for vapors in basements of buildings on other properties not used by C & S was not performed.

No on-site monitoring well data was available at this time. As we have discussed, the State has not required the installation of the additional monitoring wells identified in the Preliminary Work Plan.

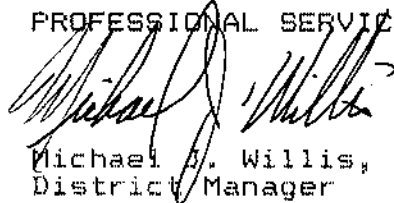


Mr. Richard F. Spiese
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page three of three

If you should have any questions or comments, please do not
hesitate to contact our office.

Respectfully Submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.



Michael J. Willis, P.E.
District Manager

MJW/ttm

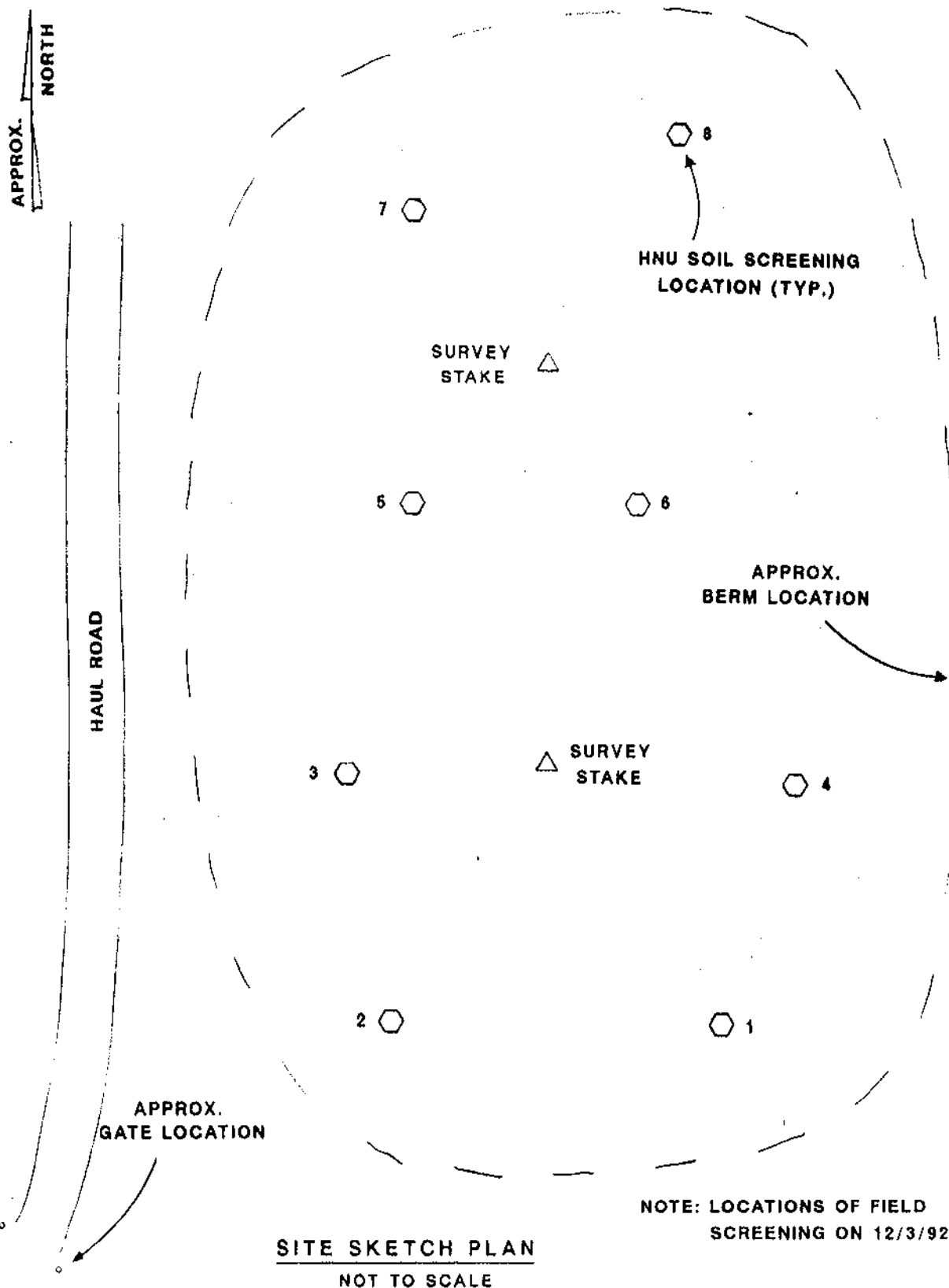
cc: J. Cherington
R. DeWolfe

Attachments: PSI sketch Soils Screening Locations
PSI list of Potential Potable Water Receptors
PSI sketch Potential Receptors - Stockpile Site
PSI sketch Potential Receptors - Facility Site
PSI sketches Potential Utility Receptors (two)
PSI topographic site plan of stockpile
USGS topographic maps
well driller's logs
photographs



JAN 22 1993

Professional Service Industries, Inc.



PROJECT NAME
C & S WHOLESALE GROCER'S
REMEDIATION OF CONTAMINATED SOILS
BRATTLEBORO, VERMONT

SOILS SCREENING LOCATIONS
STOCKPILE SITE BAZIN BROTHER'S PIT
WESTMINSTER, VT

DRW. NO.
A

PROJECT NO
093-24012

DATE
12/3/92

January 19, 1993

C & S Wholesale Grocers
Remediation of Contaminated Soils
Potential Potable Water Receptors

Potable Water Sources which are in the range of 1/4 mile in distance to the locations of the contamination sites at C & S Wholesale Grocers in Brattleboro and the contaminated soils stockpile site in Westminster, Vermont.

Contaminated Soils Stockpile Site - Bazin's Pit

| VT well ID # | Description |
|-----------------|---|
| 251 | completed 7/13/82 for Carl Morrison (see attached well driller's log) approx. 800' from site and ground surface is approx. 100' below the grade at the site |
| n/a | shallow dug well for Arena residence (no further information available at this time) approx. 800' from site and ground surface is approx. 100' below the grade at the site |
| n/a | well point for Young residence 25' deep located in basement (no further information available at this time) approx. 1,500' from site and ground surface is approx. 90' below the grade at the site |
| n/a | well point for Brand residence 14' deep located between house and driveway at the front of the house near Route 5 (no further information available at this time) approx. 1,500' from site and ground surface is approx. 90' below the grade at the site |
| n/a | spring owned by Allen, serving Allen residence and three other residences on Route 5 (no further information available at this time) approx. 1,000' from site and ground surface is approx. 90' below the grade at the site |

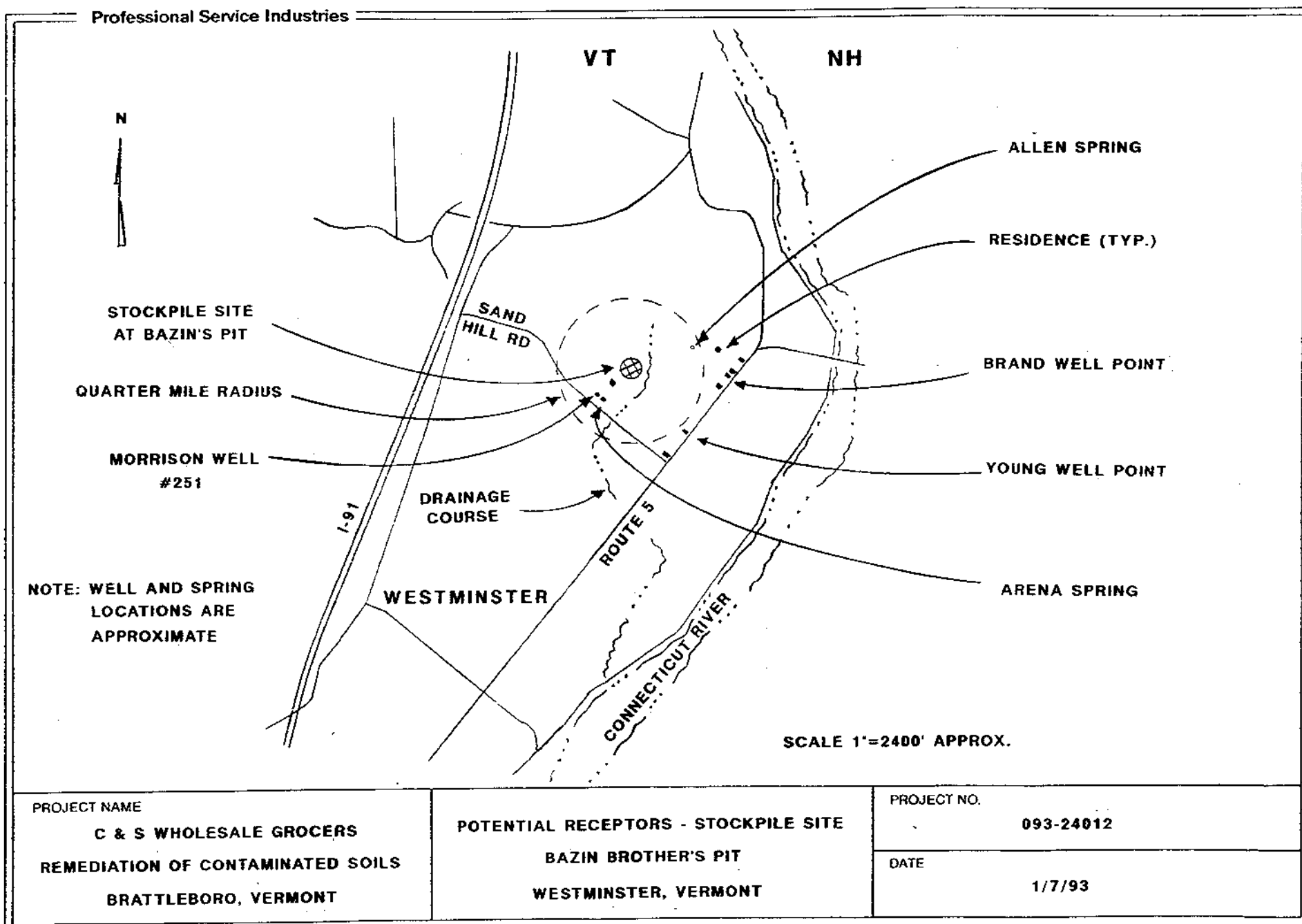
Note: see attached sketch "Potential Receptors - Stockpile Site"

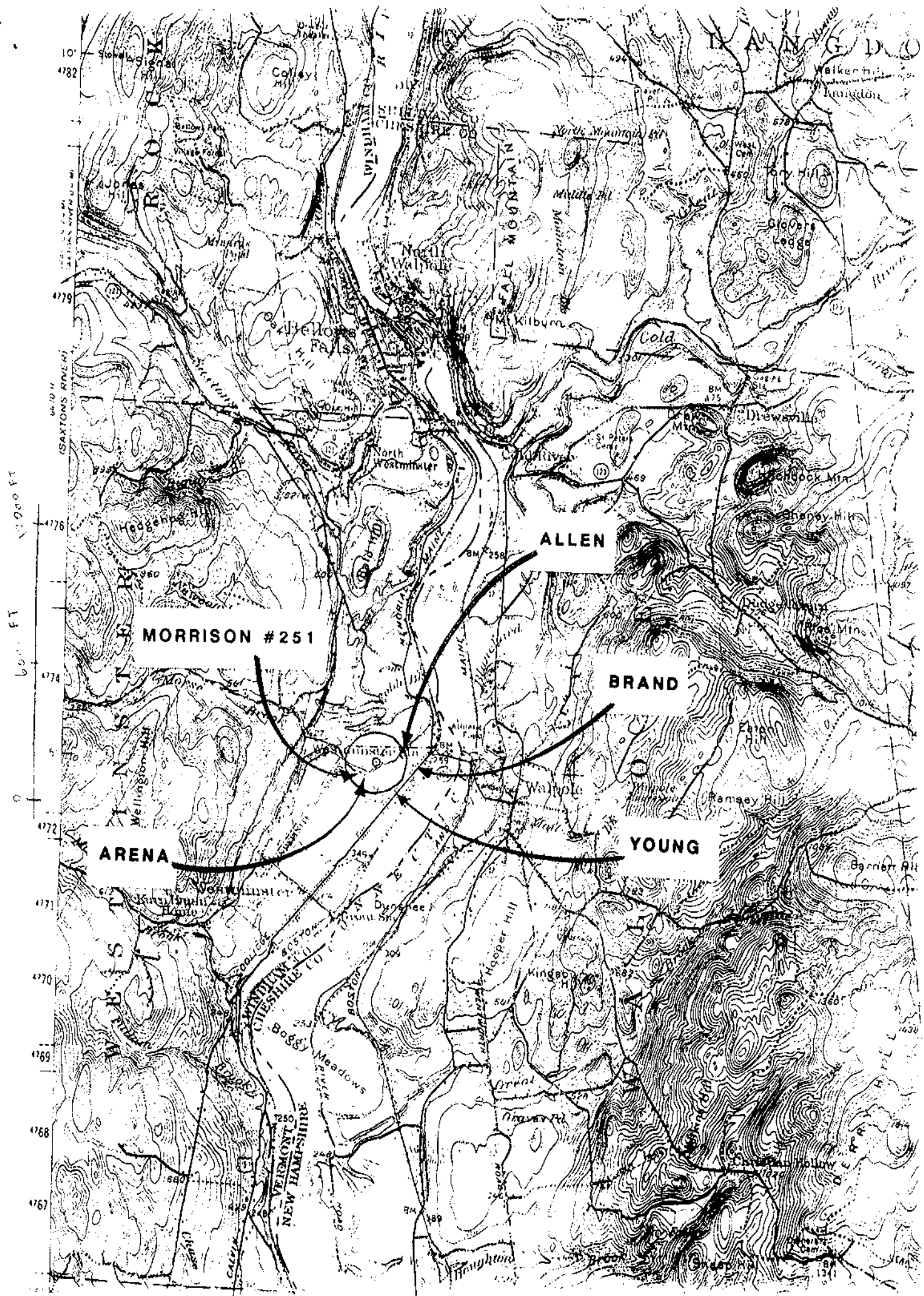


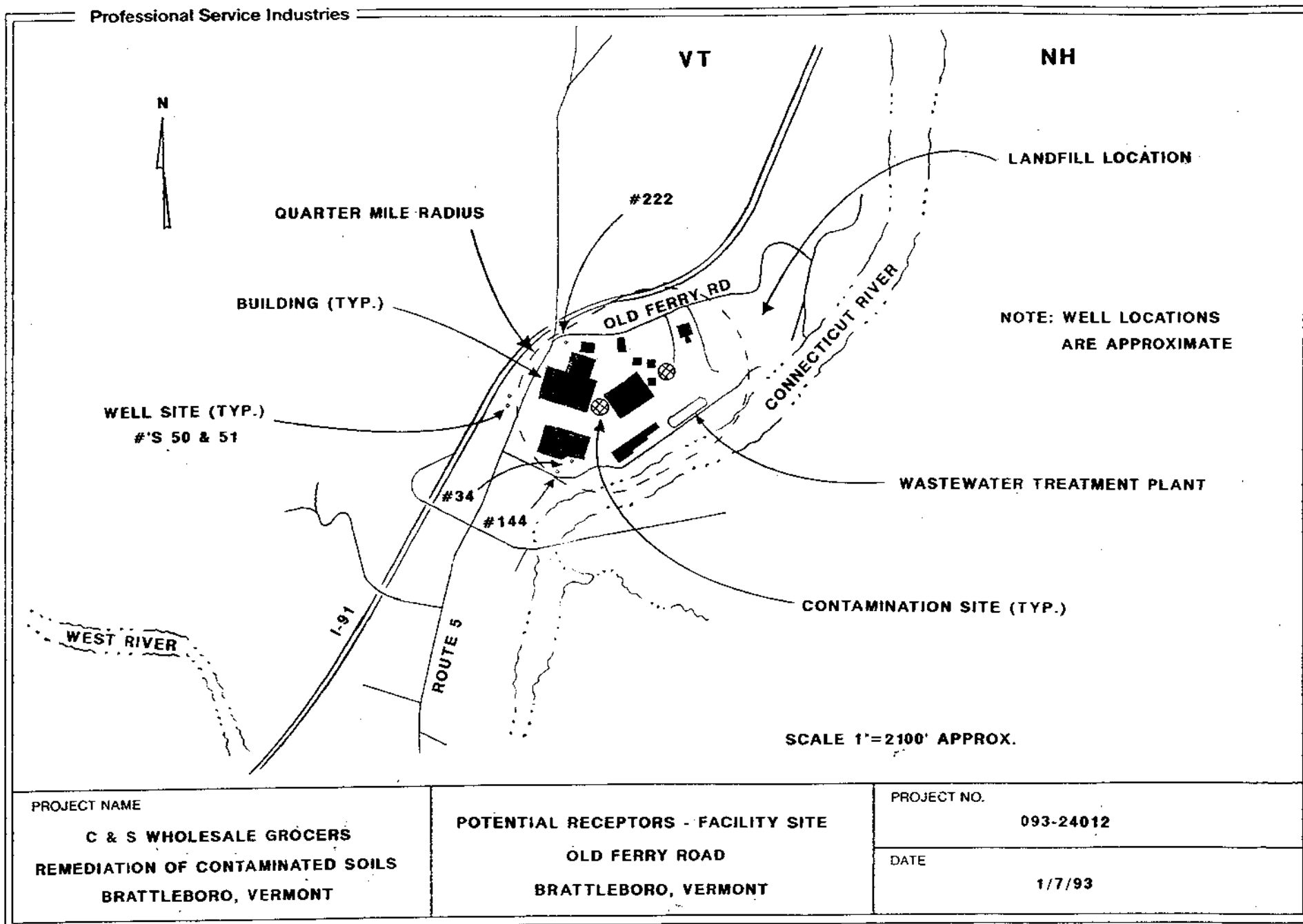
Facility Site - Old Ferry Road

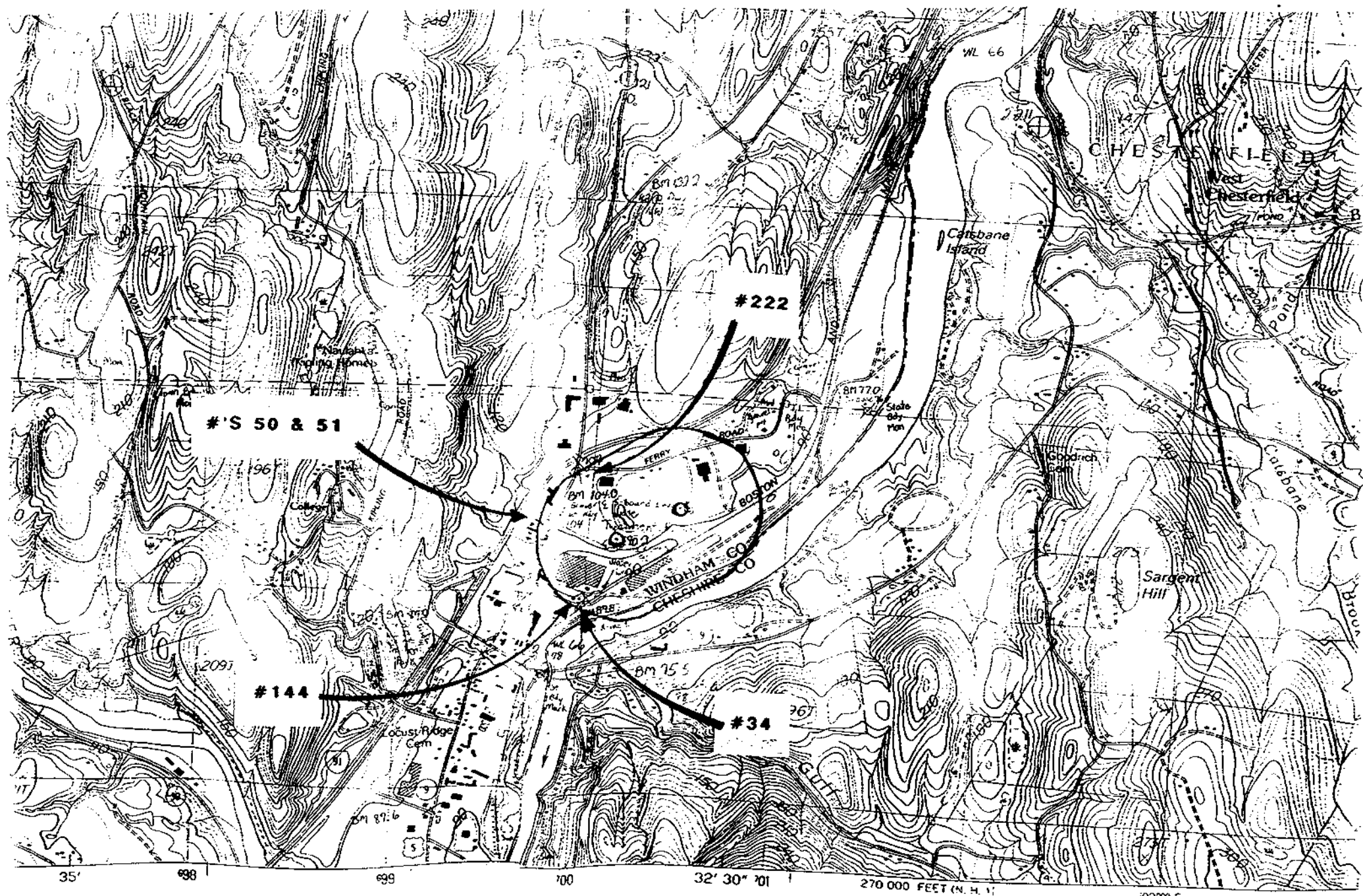
| VT well ID # | Description |
|-----------------|--|
| 34 | completed 8/12/71 for Robert Allard (see attached well driller's log) approx. 1,000' from site and ground surface is approx. 25' below the grade at the site |
| 50 | completed 7/30/73 for Holiday Motel (see attached well driller's log) approx. 1,400' from site and ground surface is relatively the same as the grade at the site |
| 51 | completed 7/13/73 for Holiday Motel (see attached well driller's log) approx. 1,400' from site and ground surface is relatively the same as the grade at the site |
| 144 | completed 6/18/79 for American Optical (see attached well driller's log) approx. 1,100' from site and ground surface is approx. 25' below the grade at the site |
| 222 | completed 4/20/84 for Precision Techniques now C & S (see attached well driller's log) approx. 1,100' from site and ground surface is approx. 10' above the grade at the site |

Note: see attached sketch "Potential Receptors - Facility Site"





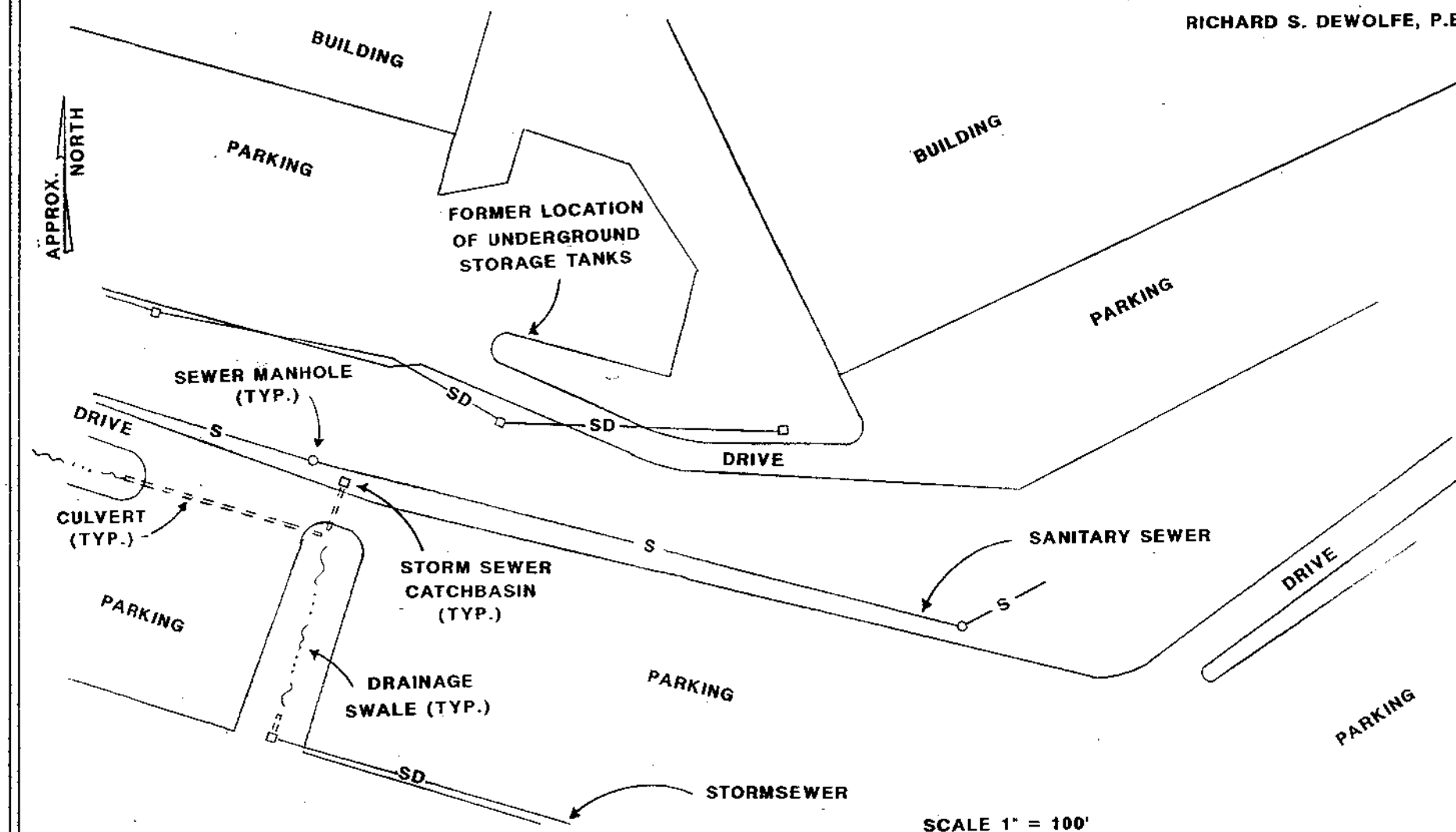




NEWFANE, VERMONT NEW HAMPSHIRE
 PROVISIONAL EDITION
 42072-H5-TN1

Professional Service Industries

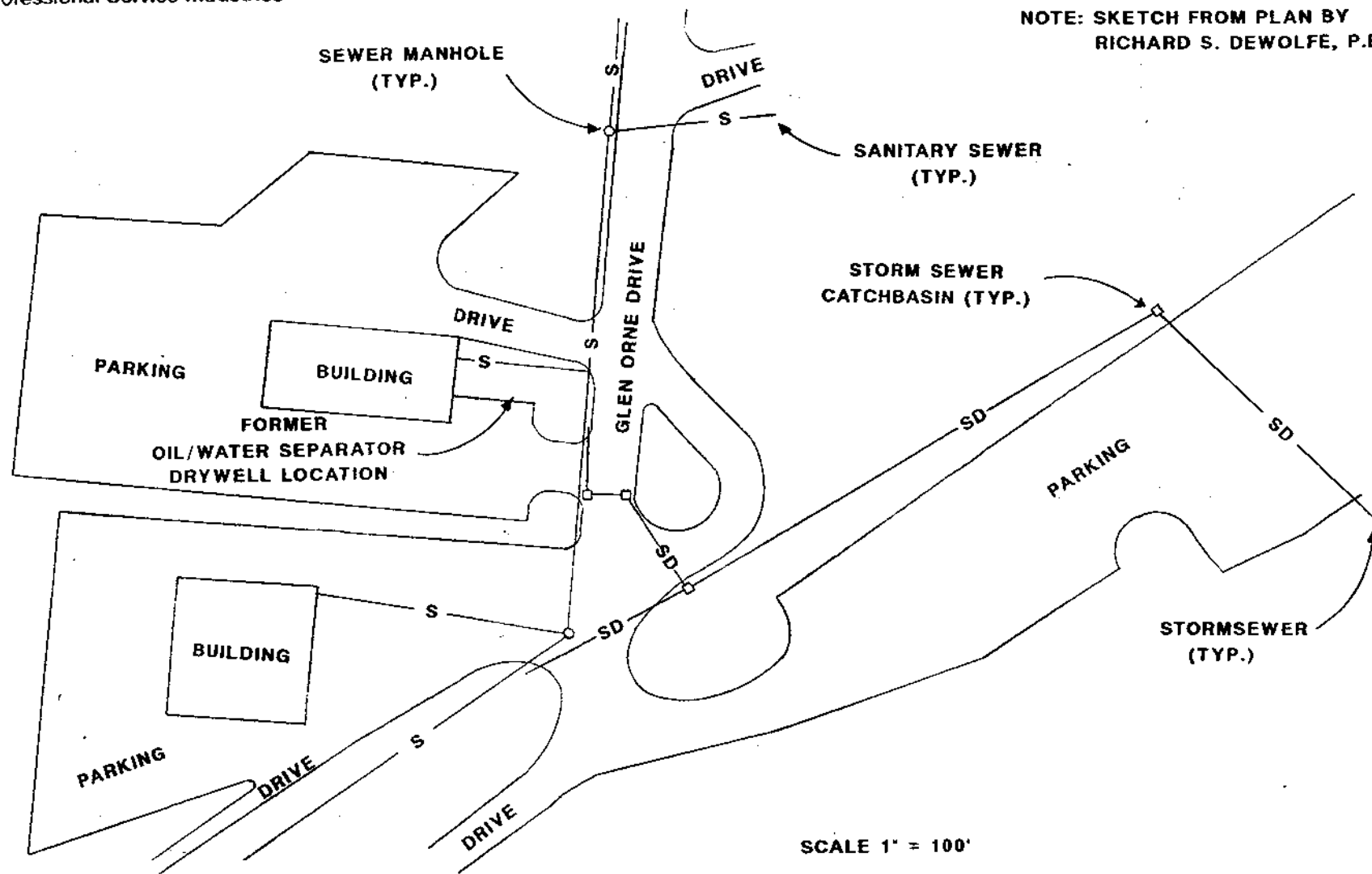
NOTE: SKETCH FROM PLAN BY
RICHARD S. DEWOLFE, P.E.



| | | |
|--|---|--|
| <p>PROJECT NAME</p> <p>C & S WHOLESALE GROCERS REMEDATION OF CONTAMINATED SOILS BRATTLEBORO, VERMONT</p> | <p>POTENTIAL UTILITY RECEPTORS</p> <p>FORMER STORAGE TANK LOCATION</p> <p>OLD FERRY ROAD BRATTLEBORO, VERMONT</p> | <p>PROJECT NO.</p> <p>093-24012</p> <p>DATE</p> <p>1/18/93</p> |
|--|---|--|

NOTE: SKETCH FROM PLAN BY
RICHARD S. DEWOLFE, P.E.

APPROX.
NORTH



SCALE 1" = 100'

PROJECT NAME

C & S WHOLESALE GROCERS
REMEDATION OF CONTAMINATED SOILS
BRATTLEBORO, VERMONT

POTENTIAL UTILITY RECEPTORS
FORMER OIL/WATER SEPARATOR LOCATION
GLEN ORNE DRIVE
BRATTLEBORO, VERMONT

PROJECT NO.

093-24012

DATE

1/18/93

558

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

AUG 25 1983

Location map attached to WCR

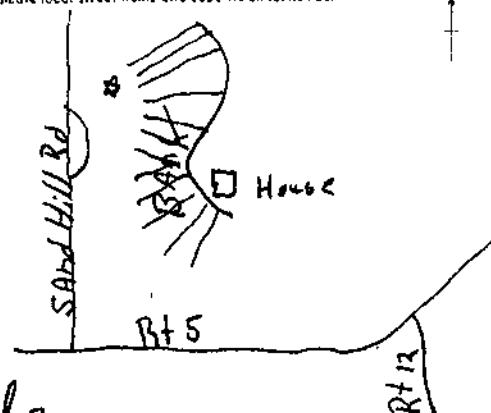
W.R. 251 U.S.G.S. 4864
Field Location ☐ Map area 4864
Latitude " Elev.
Longitude " Topo.
Scale: 62,500 ☐ 25,000 ☐ 24,000 ☐
Data in Town Files ☐

1. WELL OWNER Carl Morrison Box 283 Westminster
OR
WELL PURCHASER
2. LOCATION OF WELL: TOWN Westminster SUBDIVISION LOT NO.
3. DATE WELL WAS COMPLETED 7/13/82
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration,
☐ Provide Additional Supply, ☐ Other
6. DRILLING EQUIPMENT: ☒ Cable Tool, ☐ Rotary with A-P, ☐ Other
7. TYPE OF WELL: ☐ Open Hole in Bedrock, ☐ Open End Casing, ☒ Screened or Slotted; ☐ Other
8. TOTAL DEPTH OF WELL: 16' feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Burled, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other
10. CASING DETAILS: Total length 16 ft. Length below L.S. 14 ft. Dia. 6 in. Material Steel Wt. 19 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used N/A ft. Diameter N/A in. Material N/A Weight N/A lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☐ Drive Shoe, ☐ Grout - type , Drilled in hole ft. in Bedrock
☒ Other Bentonite down to 5'
13. SCREEN DETAILS: Make and Type Johnson Watermark, Material S.S., Length 2 ft., Diameter 5'
Slot Size 20, Depth to top of screen in feet below land surface 14' ft., Gravel pack if used Gravel Size or Type
14. YIELD TEST: ☐ Bailed, ☒ Pumped, ☐ Compressed Air, for 4 Hours at 5' Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airlift installed
15. STATIC WATER LEVEL: 4'9" feet below land surface, Date or time measured 8:10, Overflows at G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where
17. SPECIAL NOTES: Well is at bottom of a steep bank approx 400 yds from House
18. WELL LOG

| Depth from Land Surface | | Water Bearing | Formation Description | Sketch |
|-------------------------|------|---------------|-------------------------|--------|
| Feet | Feet | | | |
| Ground Surface | 5 | | Fine Brown SAND | |
| 5 | 12 | | Fine Washed SAND | |
| 12 | 16 | | Med to fine Washed SAND | |
| | | | | |
| | | | | |
| | | | | |

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD

If the yield was tested at different depths during drilling, list below

| Feet | Gallons Per Minute |
|----------------|--------------------|
| Drawdown 5' | 4 |
| 7 | 5 |
| 10 | 7 |
| Exposed screen | 8 |

WELL DRILLED BY: K S BeebeDOING BUSINESS AS: K Beebe IncREPORT FILED BY: Kenneth S BeebeDATE OF REPORT: April 1 83 WELL DRILLERS LIC. NO. 140

3906

State of Vermont
DEPARTMENT OF WATER RESOURCES

Form WR-59

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in
State Well No. 425322
Other No. 123245

WELL

OWNER Robert Allard Old Ferry Rd, Brattleboro Vermont
Name Mailing Address

WELL

DRILLER Green Mt. Well Co., Inc. Box 13 Putney, Vermont
Name Mailing Address

PROPOSED USE OR USES (Check):

- ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial
☐ Other (Specify use)

| CASING DETAILS (Inside) | YIELD TEST | WATER LEVEL (From land surface) (if possible) | SCREEN DETAILS |
|---|---|--|---------------------|
| Length: <u>121' 8"</u> Feet | <input type="checkbox"/> Bailed or <input type="checkbox"/> Pumped or <input type="checkbox"/> Compressed Air Yield: <u>25</u> GPM | Static: _____ Feet | Make: _____ |
| Diameter: <u>6</u> Inches | | During Yield Test: _____ Feet | Material: _____ |
| Kind: <u>SMLS B1K API Line</u> | | DRILLING EQUIPMENT <input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary <input checked="" type="checkbox"/> Air Percussion <input type="checkbox"/> Other (specify) | Slot Size _____ |
| Weight: <u>19.45</u> lbs/p/ft | | | Length: _____ Ft. |
| <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | | Diameter: _____ in. |

TOTAL DEPTH OF WELL 390 FEET TOWN WELL IS LOCATED IN: Brattleboro, Vt
(Make sketch of well location on reverse side of sheet)

WELL LOG

| Depth From Ground Surface | Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite. |
|----------------------------------|--|
| <u>0</u> ft. to <u>70</u> ft. | <u>sand</u> |
| <u>70</u> ft. to <u>120</u> ft. | <u>sand and gravel</u> |
| <u>120</u> ft. to <u>390</u> ft. | <u>bedrock</u> |
| ft. to ft. | |
| ft. to ft. | |

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling,
List Below

| | |
|-----|--------|
| ft. | G.P.M. |
| ft. | G.P.M. |
| ft. | G.P.M. |

Has sample of well water been analyzed? No

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 8/12/71

Date of Report 9/15/71

Water Well Driller's License No. 53

Well Driller: Pam e
(signature)

State of Vermont
DEPARTMENT OF WATER RESOURCE
WELL COMPLETION REPORT

FIELD CHECKED BY: EM
DATE: 10/16/81
APA FILE: B. H. H. H. H. H.
BTW - 5/6

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in

WELL
OWNER *Halliday motel #2 well* *Brattleboro VT*
Name Mailing Address
WELL
DRILLER *Greenmt Well Co* *Putney*
Name Mailing Address
PROPOSED USE OR USES (Check):
☐ Domestic ☐ Agricultural ☒ Business Establishment ☐ Municipal ☐ Industrial
☐ Other (Specify use)

| CASTING DETAILS (Inside) | YIELD TEST | | WATER LEVEL (From land surface) (if possible) | SCREEN DETAILS |
|---|---|-----------------|---|----------------------------------|
| Length: <i>146</i> Feet | <input type="checkbox"/> Bailed or | <i>72</i> Hours | Static: <i>4.5</i> Feet | Make: <i>Johnson</i> |
| Diameter: <i>6"</i> Inches | <input checked="" type="checkbox"/> Pumped or | <i>22</i> GPM | During Yield Test: <i>145</i> Feet | Material: <i>Stainless Steel</i> |
| Kind: <i>Steel</i> | <input type="checkbox"/> Compressed Air | | DRILLING EQUIPMENT | <i>0100</i> Slot Size |
| Weight: <i>1945</i> lbs/p/ft | | | <input type="checkbox"/> Cable Tool | <i>6'</i> Size |
| <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | Yield: <i>22</i> GPM | | <input type="checkbox"/> Rotary | Length: <i>6' 9"</i> Ft. |
| | | | <input checked="" type="checkbox"/> Air Percussion | Diameter: <i>6"</i> in. |
| | | | <input type="checkbox"/> Other (specify) | |

TOTAL DEPTH OF WELL *470* FEET TOWN WELL IS LOCATED IN: *Brattleboro*
(Make sketch of well location on reverse side of sheet)

WELL LOG

| Depth From Ground Surface | Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite. |
|----------------------------------|--|
| <i>0</i> ft. to <i>146</i> ft. | <i>Clay sand</i> |
| <i>146</i> ft. to <i>153</i> ft. | <i>Sandy grey gravel</i> |
| <i>153</i> ft. to <i>163</i> ft. | <i>grey gravel</i> |
| <i>163</i> ft. to <i>170</i> ft. | <i>Slate Rock + Plinthe</i> |
| ft. to ft. | |

YIELD TEST DATA IN G.P.M.

If yield was tested at different depth during drilling,
List Below

| | |
|-----|--------|
| ft. | G.P.M. |
| ft. | G.P.M. |
| ft. | G.P.M. |

Has sample of well water been analyzed? *no*

Where was sample analyzed? *no*

(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed *July 19 1973* *July 30 Screen Set* Date of Report *10-20-73*

Water Well Driller's License No. *53*

Well Driller

Ernest L. L. L.
(signature)

State of Vermont
DEPARTMENT OF WATER RESOURCE

WELL COMPLETION REPORT

FIELD CHECKED BY: EM
DATE: 10/16/81
APA FILE: Brattleboro
BTW-5.6

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in

WELL OWNER *Halliday, Mabel #1 well Brattleboro VT*
Name Mailing Address

WELL DRILLER *Green Mt Well Co Putney VT*
Name Mailing Address

PROPOSED USE OR USES (Check):

☐ Domestic ☐ Agricultural ☒ Business Establishment ☐ Municipal ☐ Industrial
☐ Other (Specify use)

| CASTING DETAILS (Inside) | | YIELD TEST | | WATER LEVEL (From land surface) (if possible) | | SCREEN DETAILS | |
|---|--|--|-------------------------|---|--|----------------|--|
| Length: <i>193'6"</i> Feet | <input type="checkbox"/> Bailed or <input type="checkbox"/> Pumped or <input checked="" type="checkbox"/> Compressed Air | Hours | Static: <i>45'</i> Feet | Make: | | | |
| Diameter: <i>6"</i> Inches | | GPM | During Yield Test: Feet | Material: | | | |
| Kind: <i>Steel</i> | | DRILLING EQUIPMENT | | Slot Size | | | |
| Weight: <i>19.45</i> lbs/p/ft | Yield: <i>6</i> GPM | <input type="checkbox"/> Cable Tool | Length: Ft. | | | | |
| <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | <input type="checkbox"/> Rotary | Diameter: in. | | | | |
| | | <input checked="" type="checkbox"/> Air Percussion | | | | | |
| | | <input type="checkbox"/> Other (specify) | | | | | |

TOTAL DEPTH OF WELL *595* FEET TOWN WELL IS LOCATED IN: *Brattleboro VT*
(Make sketch of well location on reverse side of sheet)

WELL LOG

| Depth From Ground Surface | Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite. |
|----------------------------------|--|
| <i>0</i> ft. to <i>145</i> ft. | <i>Sand grey & fine</i> |
| <i>145</i> ft. to <i>165</i> ft. | <i>gray clay & clay</i> |
| <i>165</i> ft. to <i>188</i> ft. | <i>gray sand</i> |
| <i>188</i> ft. to <i>595</i> ft. | <i>quartz & phyllite</i> |
| ft. to ft. | |

YIELD TEST DATA IN G.P.M.

If yield was tested at different depth during drilling, List Below

| | |
|-----|--------|
| ft. | G.P.M. |
| ft. | G.P.M. |
| ft. | G.P.M. |

Has sample of well water been analyzed? *no*

Where was sample analyzed? *no*
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed *July 13 73*

Date of Report *10-26-73*

Water Well Driller's License No. *53*

Well Driller *Ernest H. Henshaw*
(signature)

(For Driller's Use)

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

3906
State of Vermont
DEPARTMENT OF WATER RESOURCES
WELL COMPLETION REPORT
NOV 8 1979

WIS 144 USGS #
FIELD CHECKED BY: EM
DATE: 10/16/81
ADAFILE: Brattleboro
BTW-5,6

WELL OWNER: American Optical Company, Brattleboro, Vt.
Name Mailing Address
TOWN IN WHICH WELL IS LOCATED: Brattleboro, Vt. (Please locate well on a large scale map to accompany this report. Maps are available on request.)
DATE WELL WAS COMPLETED: June 18, 1979
PROPOSED USE OF WELL: ☐ Domestic ☐ Agricultural ☐ Business Establishment
☐ Municipal ☒ Industrial ☐ Other (Specify)
DRILLING EQUIPMENT: ☐ Cable Tool ☐ Rotary ☒ Air Percussion
☐ Other (Specify)
TOTAL DEPTH OF WELL: 475' STATIC WATER 30
CASING DETAILS: Length 145 ft. Diameter 6 in. Material Steel
Weight 19 lb./ft.
SCREEN DETAILS: Make 77 Material Length ft.
Diameter in. Slot Size
METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Drive Shoe
FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1 Hours at 4 gallons per minute
Water level during yield test

WELL LOG
Depth From
Ground Surface

Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.

| | | | |
|------------|-----|-----|-------|
| Surface to | 142 | ft. | Sand |
| 142 to | 475 | ft. | ledge |
| to | | ft. | |
| to | | ft. | |

YIELD TEST DATA IN G.P.M.
If yield was tested at different depths during drilling, List Below

| | | | |
|----------|-----|----------|-----|
| G.P.M. @ | ft. | G.P.M. @ | ft. |
| G.P.M. @ | ft. | G.P.M. @ | ft. |

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where Include Analysis
DRILLED BY: Wayne L. Patenaude Signature
DOING BUSINESS AS: Contoocook Artesian Well Co. Inc. Company
DATE OF REPORT: November 2, 1979 WELL DRILLERS LICENSE NO. 172
5M 6-76

#2

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES
AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

MAY 9 1984

Location map attached to WCR 221

W.R. 222 U.S.G.S.
Field Location ☐ Map area 39c6
Latitude _____ " Elev. _____
Longitude _____ " Topo. _____
Scale: 62,500 ☐ 25,000 ☐ 24,000 ☐
Data in Town Files ☐

1. WELL OWNER Precision Techniques Farm Rd Brattleboro
OR Now owned by C & S Grocers VT 05301
WELL PURCHASER _____
2. LOCATION OF WELL: TOWN Brattleboro SUBDIVISION _____ LOT NO. _____
3. DATE WELL WAS COMPLETED 4/20/84
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other Industrial
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration,
☐ Provide Additional Supply, ☐ Other _____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other _____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other _____
8. TOTAL DEPTH OF WELL: 500 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____
10. CASING DETAILS: Total length 160 ft. Length below L.S. _____ ft. Dia. 6 in. Material Steel Wt. 1.9 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used _____ ft. Diameter _____ in. Material _____ Weight _____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type _____, Drilled _____ in. hole 8 ft. in Bedrock
☐ Other _____
13. SCREEN DETAILS: Make and Type _____, Material _____, Length _____ ft., Diameter _____ in.,
Slot Size _____, Depth to top of screen in feet below land surface _____ ft., Gravel pack if used: Gravel Size or Type _____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for _____ Hours at 17 1/2 Gallons per minute
Measured by ☐ Bucket, ☐ Orifice pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline installed
15. STATIC WATER LEVEL: 70 feet below land surface, Date or Time measured _____, Overflows at _____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where _____
17. SPECIAL NOTES: _____
18. WELL LOG

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

N

| Depth from Land Surface | Water Bearing | Formation Description | Sketch |
|-------------------------|---------------|-----------------------|--------|
| Feet | Feet | | |
| Ground Surface | 10 | Loam & fill | |
| 10 | 150 | Brown clay (tany) | |
| 100 | 500 | Black med bed rock | |
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20. TESTED YIELD

(If the yield was tested at different depths during drilling, list below)

| Feet | Gallons Per Minute |
|------|--------------------|
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WELL DRILLED BY: Jeff A. Cushman
DOING BUSINESS AS: Cushman & Son
REPORT FILED BY: James A. Cushman
DATE OF REPORT: 5/7/84 WELL DRILLERS LIC. NO. 112